



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं ३२] नई विल्ली, शनिवार, अगस्त ७, १९७६ (श्रावण १६, १८९८)

No. 32] NEW DELHI, SATURDAY, AUGUST 7, 1976 (SRAVANA 16, 1898)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड २

### PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[ Notifications and Notices issued by the Patent Office relating to Patents and Designs ]

THE PATENT OFFICE  
PATENTS AND DESIGNS

Calcutta, the 7th August 1976

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

1st July, 1976

1169/Cal/76. Sihl GMBH & Co. KG. Centrifugal pump unit.

1170/Cal/76. Chong Min Ho. A fibre separator.

1171/Cal/76. Hoechst Aktiengesellschaft. Liquid compositions of reactive dyes.

2nd July, 1976

1172/Cal/76. Mrs. S. R. Dandekar. Superior padlock.

1173/Cal/76. B. Demoiseau. Method for the continuous combustion of mineral or organic combustibles and installation for carrying out this method.

1174/Cal/76. Council of Scientific and Industrial Research. The comminutor : An apparatus for producing intimately dispersed powders of multiphase materials.

1175/Cal/76. Council of Scientific and Industrial Research. Improvements in or relating to solid-liquid solvent extraction unit.

1176/Cal/76. Council of Scientific and Industrial Research. Improvements in or relating to the electrode position of bright cadmium from cyanide baths.

1177/Cal/76. Council of Scientific and Industrial Research. A process for the extraction of hecogenin from sisal juice and its subsequent conversion to its acetate.

1178/Cal/76. J. Swartzberg. Improvements in or relating to burners.

3rd July, 1976

1179/Cal/76. Council of Scientific and Industrial Research. Improvements in or relating to the production of zinc phosphate for use as anti-corrosive primers.

1180/Cal/76. Sebastian Messerschmidt Spezialmaschinenfabrik. Eccentric press for moulding simple work-pieces.

1181/Cal/76. General Electric Company. Gas cooled flux shield for dynamoelectric machine.

5th July, 1976

1182/Cal/76. N. K. Verwaltungs AG. Liquid analyzing apparatus.

1183/Cal/76. S. I. Molnar and N. M. Molnar. Apparatus for power generation in deep seawater.

1184/Cal/76. Societe Technique Pour L'Utilisation De La Precontrainte (S.T.U.P.—Procedes Freyssinet). Concrete unit prestressed using tendons stressed before concreting, more particularly a railway sleeper.

1185/Cal/76. Boliden Aktiebolag. A method of producing a partially reduced product.

1186/Cal/76. Dresser Industries, Inc. Improved impellers and method of manufacture.

1187/Cal/76. Smith Kline & French Laboratories Limited. Pharmacologically active compounds. (July 31, 1975).

1188/Cal/76. Smith Kline & French Laboratories Limited. Pharmacologically active compounds. (July 31st 1975).

176. S. P. Rogov, V. A. Khavkin, A. V. Agafonov, D. K. Teregulov, I. Y. Perezhigina, N. V. Goncharova, I. E. Gelms, L. N. Osipov and A. S. Gaspariants. Process for hydrofining of distillate petroleum fractions.

1190/Cal/76. The Tata Iron & Steel Company Limited. Electro Slag/electro flux refining process for metals.

1191/Cal/76. M/s. Bharat Heavy Electricals Limited. The hydromechanical process for the manufacture of metallic bellows.

6th July, 1976

1192/Cal/76. Cravens Research Company. Improvements in or relating to induction motor.

1193/Cal/76. Sri Amit Kumar Roy. Smoke density indicator.

1194/Cal/76. Snamprogetti S.p.A. Method for the preparation of carbonyl products starting from hydrocarbon streams coming from steam-cracking installations.

1195/Cal/76. Snamprogetti S.p.A. Process for the addition of alcohols to acetylenic compounds contained in organic or inorganic hydrocarbon streams.

1196/Cal/76. Snamprogetti S.p.A. Process for the addition of organic acids to acetylenic compounds contained in inorganic or organic hydrocarbon streams.

1197/Cal/76. American Hospital Supply Corporation. Venous pressure indicator.

1198/Cal/76. C. Dussel. The construction of walls, particularly the internal partition walls of a building.

1199/Cal/76. Alfred Herbert Limited. Control system for movable member. (July 19, 1975).

1200/Cal/76. Smith Kline & French Laboratories Limited. Pharmacologically active compounds. (July 31, 1975).

7th July, 1976

1201/Cal/76. UCB, S.A. L-pyroglutamyl-prolinamide. (July 8, 1975).

1202/Cal/76. Mefina S.A. Information transmitting system.

1203/Cal/76. Kao Soap Co., Ltd. Process for sulfonation and apparatus therefor.

1204/Cal/76. Rand Industries Ltd and Perusse Holdings. Pulling eye.

1205/Cal/76. The Secretary of State for Defence in Her Britannic Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Improvements in or relating to dinghies.

1206/Cal/76. Pilkington Brothers Limited. Improvements relating to coating compositions for glass fibres. (July 24, 1975).

1207/Cal/76. Trisa Burstenfabrik AG Triengen. Fountain toothbrush.

1208/Cal/76. Toyo Soda Manufacturing Co., Ltd. Apparatus for ammonia soda process or ammonia chloride soda process.

1209/Cal/76. Montedison S.p.A. Components of catalysts for polymerizing alpha-olefins and catalysts prepared therefrom.

APPLICATION FOR PATENTS FILED AT THE (BOMBAY BRANCH)

21st June, 1976

191/Bom/76. Malti-Chem Research Centre. A method for the conversion of (+)-trans-isolimonene to (+)-isoterpinolene.

192/Bom/76. Hindustan Lever Limited. Detergent bars. (June 23, 1975).

22nd June, 1976

193/Bom/76. V. S. Aglawey. Vehicle driving mechanism. 23rd June, 1976

194/Bom/76. T. P. Vartak. Improved tree guard.

195/Bom/76. K. L. Gadre. An improved heat engine using differential vapour pressure of a liquid.

196/Bom/76. Bamag Verfahrenstechnik GmbH. Coal gasification process.

25th June, 1976

197/Bom/76. Ahmedabad Textile Industry's Research Association. A rapid abrasion testing means for textile fabrics.

26th June, 1976

198/Bom/76. Jyoti Limited. Improvements in or relating to a device for providing intermittent suction/Compression strokes for use in milking machines and the like.

199/Bom/76. S. J. Mistry. Developments in or relating to footwears.

200/Bom/76. J. K. Maneckji, S. J. Lawyer and R. K. Gazder. Anti-pollution, fuel saving device for rotor type distributors of petrol engines.

201/Bom/76. Ralston Purina Company. A process for the production of protein filaments from a cooked meat source.

APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

28th June, 1976

116/Mas/76. B. L. Narasimha Char, D. A. Ramayya, G. Azemoddin and S. T. Rao. Improvements in or relating to decorticating of groundnuts.

2nd July, 1976

117/Mas/76. Indian Institute of Technology. A precast concrete pile.

118/Mas/76. Indian Institute of Technology. An ethylene oxide sterilizer.

119/Mas/76. Mrs. Mehrun Khan. Pant hooks made up of stainless steel (Double lock system).

Alteration of Date

(1)

Patent application No. 1149/Cal/76 has been treated as deemed to have been filed on the 28th June, 1976.

(2)

139824.

1207/Cal/74. Ante-dated to 4th January, 1974.

139826.

390/Bom/74. Ante-dated to 25th January, 1974.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned may at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patent Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book-Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that Office.

CLASS 146D<sub>2</sub>. I.C.-G03b 1/00. 139811.

**FILM PROJECTOR.**

*Applicant* : ATLANTIC FILMS LIMITED, OF 625 PRESIDENT KENNEDY AVENUE, MONTREAL, PROVINCE OF QUEBEC, CANADA.

*Inventors* : ALBERT JEKSTE AND SERGE GREK.

Application No. 2112/Cal/73 filed September 15, 1973.

Convention date September 15, 1972/(151, 868/72) CANADA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**2 Claims**

A film projector having a film gate, film take-up means and a film, alignment means having a movable member normally positioned adjacent the film having a normal path between said film and said take-up means during projector operation, said alignment means being actuated through said movable member by the film when this latter deviates from said normal path due to a malfunction, said movable member comprising a lever pivoted intermediate its ends and having a roller at one end for contacting said film, said alignment means further including an electrical circuit having a relay with a multiple set of contacts, and upon actuation of said alignment means said lever undergoing a partial pendulum motion in one direction about said pivot actuating said multiple set of contacts which, through said electrical circuit, causes said lever to undergo another partial pendulum motion in the opposite direction about said pivot, moving the film back to said normal path between said film gate and take-up means.

CLASS 24E+F. I.C.-F16d 65/24, 51/24, 55/24. 139812.

IMPROVEMENTS IN TRANSMISSION MEMBERS AND HYDRAULIC ACTUATORS INCORPORATING SAID TRANSMISSION MEMBERS.

*Applicant* : GIRLING LIMITED, OF KINGS ROAD, TYSELEY, BIRMINGHAM, 11, ENGLAND.

*Inventor* : RICHARD GERALD MEADE TAYLOR.

Application No. 2655/Cal/73 filed December 5, 1973.

Convention date December 6, 1972/(56169/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**8 Claims**

A transmission member of the kind set forth comprising a substantially flat circular plate having a first portion provided with a plurality of angularly spaced fingers deformed outwards relative to a flat portion of the plate and adapted to be engaged by a tool, and a second portion, comprising the remainder of the portion of the plate from the base of the fingers to the circumferential edge of the plate, deformed outwards relative to the flat portion of the plate to define a substantially conical surface which is non-planar with the fingers and thereby defines a guide and side location surface for the tool.

CLASS 205H. I.C.-B60C 5/00, 13/00.

139813.

**PNEUMATIC TYRES.**

*Applicant* INDUSTRIE PIRELLI SPA, OF CENTRO PIRELLI, PIAZZA DUCA D'AOSTA No. 3, MILAN, 20100, ITALY.

*Inventors* : EDOARDO ROBECCHI AND GIUSEPPE TAVAZZA.

Application No. 356/Cal/74 filed February 20, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**8 Claims.**

A pneumatic tyre for a vehicle wheel consisting of a reinforced tread and two sidewalls comprising elastomeric material extending from the tread and terminating in tyre beads for a rigid wheel rim in which the reinforced tread is wider than any other part of the tyre and is reinforced over substantially the whole of its width by an annular structure which is substantially inextensible under the inflation pressure in both its circumferential and lateral directions and in which the sidewalls having a cross-sectional shape whose mid-line over substantially the whole length between the tread reinforcement and the tyre bead is convex with respect to the interior of the tyre under the tyre inflation pressure, each said sidewall having a bending stiffness, curvature and/or thickness sufficient to constrain the sidewall between the inextensible annular structure and the bear seat on the wheel rim whereby on inflation of the tyre and under service conditions the sidewalls are placed under compressive stress, the sectional profile of the annular structure having a curvature in its central portion directed in an opposite sense to its curvature in its lateral portions when the tyre is inflated to its normal working pressure.

CLASS 208. I.C.-B43K 7/00. 139814.

**A WRITING IMPLEMENT OR ANALOGOUS OBJECT.**

*Applicant* : INTERLIGHT, OF MONCOR, ROUTE, DES BICHES 1752—VILLARS-SUR-GLANE/FRIBOURG, SWITZERLAND.

*Inventor* : ROBERT HOCQ.

Application No. 1366/Cal/74 filed June 20, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**20 Claims.**

A writing implement or analogous object having a clip which is movable relative to a wall between a retracted position in an orifice of the wall and an emergent position and exerting a gripping pressure under the action of return spring, an axially movable plunger independent of the clip controlling the movement of the clip by means of an inclined ramp cooperating with a clip head sliding transversely relative to the wall of the writing implement in which the said head has an axial thickness which is greater than the thickness cooperating with one of its surfaces with guide means within the writing implement, and extending substantially over the complete course of the said head.

CLASS 91 & 127-I. I.C.-G05d 13/00. 139815.

**VARIABLE SPEED CONTROL DEVICE.**

*Applicant & Inventors* : HARISHBAI GANDHI AND KIRTIBHAI GANDHI, OF 17, CAMAC STREET, CALCUTTA-17, STATE OF WEST BENGAL, INDIA.

Application No. 2314/Cal/74 filed October 19, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**11 Claims.**

A stepwise variable speed control device between the input and the output, shafts, which comprises a carrier such as a disc mounted on the input and the output shafts respectively, a set of pivotally mounted fingers on each of the said discs and projecting from the disc, a slidably cone also mounted

on each of said input and output shafts and means for synchronously shifting the said cones on the respective shafts, such that when one cone is caused to be shifted towards the said fingers on one of the said shafts, the cone on the other disc is retracted from the fingers on the other disc, each of the fingers on the two discs carrying a sprocket wheel engaged by a chain which constitutes the driving means between the input and the output shafts.

CLASS 150C+F. I.C.-F16b 7/00, F16L 37/00. 139816.

**A BRANCH PIECE FOR PROVIDING BRANCH CONNECTIONS IN A PIPE.**

*Applicant* : WAVIN B. V., OF 251 HANDELLAAN, ZWOLLE, THE NETHERLANDS.

*Inventor* : ERNST ETTEMA.

Application No. 2341/Cal/74 filed October 26, 1974.

Convention date March 11, 1974/(10760/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**9 Claims.**

A branch piece for providing branch connection in a pipe, comprising a first part provided with a branch connection opening, and a second part, both of said parts being of part cylindrical shape corresponding to the pipe and having connecting means on each side for connecting said parts together when fitted over the pipe, connecting means on one side comprising a longitudinally extending external coupling edge on one part adapted to engage with a correspondingly formed lip on the other part, and the connecting means on the other side comprising an external coupling edge on each part and a separate connecting member having two correspondingly formed lips each adapted to engage with a respective coupling edge.

CLASS 128A+B. I.C.-A61f 5/03, A61f 5/24. 139817.

**ORTHOPEDIC AND SURGICAL SUPPORTS.**

*Applicant & Inventor* : SAMIR CHINUBHAI GANDHI, AT SHREYAS, NARIMAN POINT, CHURCHGATE RECLAMATION, BOMBAY-20, STATE OF MAHARASHTRA, INDIA.

Application No. 113/Bom/72 filed December 4, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

**3 Claims.**

A orthopedic support to a part or limb of the body under medical or surgical treatment comprising a longitudinal piece of an elastic material adapted to go round the subject part or limb, the said piece being provided with transverse built-in rigid stays in pre-determined locations, and further being provided along both the transverse terminal edges with one or more flaps of the same material or any other tough material and near one of the terminal transverse edges with transverse slit openings adapted to allow a corresponding flap at the other edge to pass through them, each of the said flaps being provided at its back with one component of a complimentary pair of pressure sensitive fasteners, the other component of such fasteners being affixed to the front of the longitudinal piece adapted to engage the first-mentioned component at the back of the corresponding flap.

CLASS 98-I. I.C.-F24J 3/02. 139818.

**A STRUCTURE FOR ABSORBING VISIBLE RADIATION AND STORING HEAT.**

*Applicant & Inventor* : NIKOLAUS LAING, OF HOHENWEG 35 BIS 37, 7141 ALDINGEN BEI STUTTGART.

Application No. 1456/Cal/73 filed June 22, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**5 Claims.**

A structure for absorbing visible radiation and storing heat having a radiation absorbing layer, the external surface of which is to be exposed to solar radiation and which is able to absorb visible radiation and reflect infrared radiation, or absorb infrared radiation and reflect visible radiation, or absorb both visible and infrared radiation, wherein the layer is in thermal communication with a body comprising a latent heat storage mass having a phase change point at a predetermined temperature whereby the layer is able to be maintained at a substantially constant temperature by the latent heat storage mass.

CLASS 33, 1M & 134B. I.C.-B62d 3/14. 139819.

**VEHICLE STEERING GEAR.**

*Applicant* : BURMAN & SONS LIMITED, OF WYCHALL LANE, KINGS NORTON, BIRMINGHAM, ENGLAND.

*Inventor* : BENJAMIN WARD.

Application No. 1555/Cal/73 filed July 4, 1973.

Convention date July 7, 1972/(31901/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**5 Claims.**

A vehicle steering gear of the kind provided with a fluid pressure actuated piston and cylinder unit for assisting operation of said gear and driver-actuable valve means for controlling said unit, said gear comprising a worm shaft on which is mounted a hollow nut having external teeth which engage the teeth of a gear sector mounted on a rocker shaft, and said valve means comprising a valve which is disposed at least in part within an axially extending recess formed in said worm shaft.

CLASS 68A. I.C.-H02J 7/00. 139820.

**BATTERY CHARGING SYSTEMS.**

*Applicant* : THE LUCAS ELECTRICAL COMPANY LIMITED, OF WELL STREET, BIRMINGHAM, ENGLAND.

*Inventor* : MAURICE JAMES ALLPORT.

Application No. 1707/Cal/73 filed July 20, 1973.

Convention date August 3, 1972/(36223/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**9 Claims.**

A battery charging system including a wound-field alternator charging a battery, and a voltage regulator for controlling the output of the alternator, the voltage regulator including a thyristor in series with the field winding of the alternator, means for providing gate current to the thyristor when the battery voltage is below a predetermined value, and the system further including a mechanical means for interrupting the anode-cathode path of the thyristor from time-to-time to turn the thyristor off.

CLASS 170D. I.C.-C11d 13/00. 139821.

**DETERGENT BARS.**

*Applicant* : HINDUSTAN LEVER LTD, HINDUSTAN LEVER HOUSE, 165-166, BACKBAY RECLAMATION, BOMBAY-400020, MAHARASHTRA, INDIA.

*Inventors* : UNILEVER LIMITED JOHN PEDLOW PARKE, JOHN KENNETH POTTER AND RICHARD SHAW JOHNSON.

Application No. 349/Bom/73 filed November 2, 1973.

Convention date November 6, 1972/(51078/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

10 Claims. No drawings.

A method of forming a detergent bar having a chlorine releasing bleach which comprises mixing detergent particles as herein described with bleach particles as herein described the bleach particles being coherently coated with an abradable material as herein described followed by compressing the mixture so obtained to form the detergent bar.

CLASS 62C4. I.C.-D06P 1/00. 139822.

A PROCESS OF CONTINUOUS VAT DYEING, WHEREIN OXIDATIVE DECOMPOSITION LOSSES IN THE SOLUTION OF REDUCING AGENTS ARE MINIMIZED.

*Applicant* : THE CENTURY SPINNING & MANUFACTURING COMPANY LIMITED, OF CENTURY BHAVAN, DR. ANNIE BESANT ROAD, WORLI, BOMBAY-25, MAHARASHTRA, INDIA.

*Inventors* : DR. GOPALA PILLAI PARAMESWARAN NAIR AND DAV RAJ BANKE BIHARI SHARMA.

Application No. 23/Bom/74 filed January 16, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims. No drawings.

A process of continuous vat dyeing wherein the surface of the solution of reducing agents stored in the preparation tank and/or the feeding tank is covered by a plurality of solid floats such as herein defined and/or a layer of immiscible liquid such as herein described so as to minimise oxidative decomposition losses in the solution of reducing agents, said floats or said immiscible liquid being of the type which does not react with said solution of reducing agents.

CLASS 32F<sub>1</sub>+F<sub>2</sub>a. I.C.-C07c 109/00. 139823.

PROCESS FOR THE MANUFACTURE OF HYDROBENZENE DERIVATIVES.

*Applicant* : COLOUR -CHEM LIMITED, RAVINDRA ANNEXE, DINSHAW VACHHA—ROAD, 194, CHURCHGATE RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

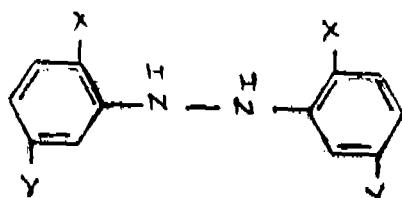
*Inventor* : DR. HARALD GLEINIG.

Application No. 32/Bom/74 filed January 25, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

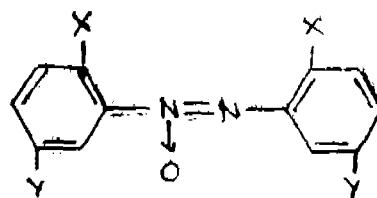
5 Claims.

A process for the manufacture of hydrazobenzene derivatives of the general formula 1.



in which X represents a hydrogen or chlorine atom, or a methyl, methoxy ethoxy, -SO<sub>3</sub>H or -COOH group, and Y represents a hydrogen or chlorine atom or a methyl,

methoxy, SO<sub>3</sub>H or -COOH group, wherein an azoxy benzene derivative of the general formula 2,



in which X and Y are defined as above, is dissolved in water or a water-miscible organic solvent or mixtures thereof and is reduced with sodium hydrosulfide which may contain the by-products normally formed during the course of its manufacture and/or storage, wherein the percentage of the water-miscible organic solvent may vary from 0 to 100 percent of the mixture depending upon the solubility characteristics of the azoxy derivative in the resulting mixture at a temperatures between room temperature and the reflux temperature of the used reaction mixture at normal or preferably below 2 atmospheric pressure.

CLASS 19B<sub>4</sub>+C. I.C.-F16L 39/284, F16H 51/00. G055 1/04. 139824.

NUT CRIMPING MECHANISM.

*Applicant* : CHICAGO PNEUMATIC TOOL COMPANY, OF 6 EAST 44TH STREET, NEW YORK, NEW YORK-10017, UNITED STATES OF AMERICA.

*Inventors* : LESTER ARTHUR AMTSBERG AND WILLIAM KEITH WALLACE.

Application No. 1207/Cal/74 filed June 3, 1974.

Division of Application No. 2346/Cal/73 filed January 4, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

Nut crimping mechanism comprising a sleeve; a group of crimping levers disposed about the interior of the sleeve in circumferentially spaced relation to each other; each lever being pivoted relative to the sleeve and having a long arm and a short arm terminating in an inner jaw face, the several levers having a normal position wherein the several jaw faces define a socket for reception of a multi-sided nut, a wedge member movable axially of the several levers in first and second mutually opposite directions, the wedge member cooperating with the long arms of the levers during movement in the first direction to cause the levers to pivot such that the short arms bring their jaw faces compressively against the sides of a nut received in the socket, and means for selectively controlling the direction of axial movement of the wedge member.

CLASS 53C. I.C.-B62M 11/00 21/00. 139825.

AUTOMATIC GEAR CHANGING DEVICE FOR CYCLES AND LIKE VELOCIPEDES.

*Applicant* & *Inventor* : HARCHARAN SINGH GROVER, OF HOUSE NO. 35-A, OLD GOBINDPURA, DELHI-51, INDIA.

Application No. 1346/Cal/74 filed June 18, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A driving system for cycles and like velocipedes in which the sprocket operated by the pedals drives a free wheel on the rear axle, the chain passes over an intermediate free wheel and a guide wheel, said intermediate free wheel being mounted on an auxiliary shaft, said shaft also carrying an intermediate chain wheel which chain wheel drives the rear axle through another free wheel mounted on the rear axle.

and means for causing engagement between the intermediate free wheel and the chain wheel on the auxiliary shaft to impart motion thereto, so that said chain wheel in turn drives the additional free wheel on the rear axle.

CLASS 32A. I.C. C09b 35/00. 139826.

PROCESS FOR THE MANUFACTURE OF BENZIDINE PIGMENTS.

Applicant : COLOUR-CHEM LIMITED, RAVINDRA ANNEXE, DINSHAW VACHHA ROAD, 194, CHURCH-GATE RECLAMATION, BOMBAY-400020. MAHARASHTRA, INDIA.

Inventor : DR. HERALD GLEINIG.

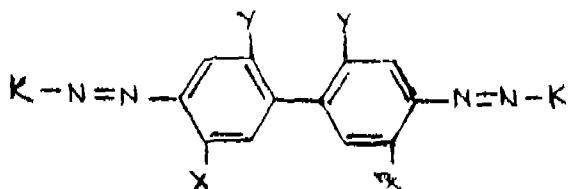
Application No. 390/Bom/74 filed November 5, 1974.

Division of application No. 32/Bom/74 filed January 25, 1974.

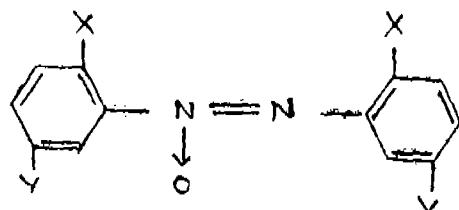
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claim.

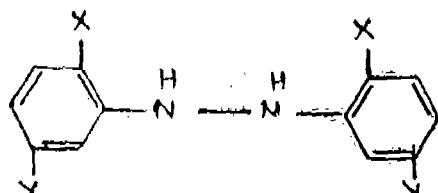
A process for the manufacture of benzidine pigments of the general formula 1.



in which X represents a hydrogen or chlorine atom or a methyl, methoxy, ethoxy,  $\text{-SO}_3\text{H}$  or  $\text{-COOH}$  group, and Y represents a hydrogen or chlorine atom or a methyl, methoxy or  $\text{-COOH}$ ,  $\text{-SO}_3\text{H}$  group, and K represents the radical of a coupling component of the pyrazolone, acetoacetic acid arylide, or 2, 3-hydroxynaphthoic arylamide series, wherein in one-stage reaction an azoxybenzene derivative of the general formula 2.

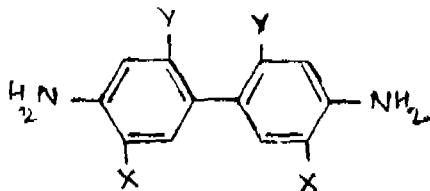


in which X and Y are defined as above, is dissolved in water or a water-miscible organic solvent such as lower aliphatic alcohol with carbon atoms 1-4, dimethyl formamide, dimethyl sulfoxide or morpholine or mixtures thereof and is reduced with aqueous sodium hydrosulfide solution, which may contain the by-products, normally formed during the course of its manufacture and/or storage wherein the percentage of the water miscible organic solvent may vary from 0 to 100 percent of the mixture depending upon the solubility characteristics of the azoxy derivative in the resulting mixture at temperatures between room temperature and the reflux temperature of the used reaction mixture at normal or preferably below 2 atmospheric pressure, the hydrazo-benzene derivative of the general formula 3.



in which X and Y are defined as above so obtained, is filtered off and washed with water until free of alkali and

subsequently rearranged by treatment with a mineral acid in known manner to the benzidine derivative of the general formula 4.



in which X and Y defined as above, and the benzidine derivatives of the said formula (4) is then in known manner tetrazotised and coupled with a coupling component of the general formula 5.

H—K.

in which K is as defined above.

CLASS 70—B. I.C. B01k 3/02. 139827.

AN ANODE ASSEMBLY FOR MERCURY TYPE CHLOR-ALKALI CELLS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors : RAMASWAMY THANGAPPAN NADAR, (2) HANDADY VENKATAKRISHNA UDUPA, (3) BABURAM YADAV, (4) PERUMAL SUBBIAH.

Application No. 2089/72 filed December 8, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

An anode assembly of the type having an anode base, horizontal current distributors and anode stems for mercury cells in the electrolysis of alkali metal halide solutions and characterized in that it comprises.

- (a) a horizontal perforated or foraminous base and the surface of the base being activated by depositing a metallic or semi-conductive coating;
- (b) horizontal current distributors in the form of bar/bars of square, rectangular or circular cross section made out of copper or aluminium and enclosed inside the fluid-tight titanium or other valve metal casing using white metal and welded to upper surface of the anode base; and
- (c) vertical anode stem/stems made out of titanium tubes fitted inside with copper or a aluminium cores by means of white metal, and welded to the horizontal current distributor.

CLASS 155A+B. I.C. D21d 3/00. 139828.

PROCESS OF REINFORCING PAPER.

Applicant : NICHIMEN CO., LTD. OF 15 NAKANO-SHIMA 2-CHOME, KITA-KU, OSAKA-SHI, OSAKA-FU, JAPAN.

Inventor : TAKESHI UCHIDA.

Application No. 2120/Cal/73 filed 17th September 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims. No drawings.

A process of reinforcing paper comprising steps of drying the paper to be processed to moisture content of less than 5% by a dryer, then dipping said paper for one second to 20 seconds in a solution made by dissolving between 1% and 20% by weight of a resin selected from the group consisting of polystyrene, acrylonitrile-styrene copolymer,

acrylic resin and acrylonitrile-butadiene-styrene resin in a hydrocarbon halogenide solvent; and thereafter drying said paper to obtain a reinforced paper.

CLASS 32F.C. I.C.-C07C 31/02. 139829.

A PROCESS OF REMOVING SULPHURIC ACID COLOUR PRODUCING IMPURITIES PRESENT IN ACETALDOL ROUTE 2-ETHYL HEXANOL AND REFINING THE PRODUCT SO OBTAINED.

*Applicant* : UNION CARBIDE INDIA LIMITED, 1, MIDDLETON STREET, CALCUTTA-700016, WEST BENGAL, INDIA.

*Inventors* : DEBRATA CHOUDHURY, KAILASH CHANDRA SAH AND RAJESH KAPOOR.

Application No. 577/Cal/74 filed March 16, 1874.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A process of treating acetaladol route 2-ethyl hexanol (direct stream 2-ethyl hexanol) to produce 2-ethyl hexanol substantially free of high sulphuric acid colour producing impurities (crude 2-ethyl hexanol) characterised by hydrogenation of the said impurities in the direct stream 2-ethyl hexanol said hydrogenation being carried out at about 90 to 145°C at a pressure ranging upto 75 psig in gaseous phase with catalyst selected from (i) palladium on gamma alumina and (ii) a high nickel catalyst, containing about 68% nickel, with the residence time varying from less than half a second to about four seconds, and, if desired, subjecting the product so obtained to refining by methods known per se.

CLASS 40F. I.C.-B01d 45/00. 139830.

IMPROVEMENTS IN OR RELATING TO VACUUM TANKS.

*Applicant* : DEVELOPMENT CONSULTANTS PRIVATE LIMITED, OF 24-B, PARK STREET, P. O. PARK STREET, CALCUTTA-700016, STATE OF WEST BENGAL, INDIA.

*Inventors* : DWIJENDRA LAL NATH AND SUBHAS SINHA.

Application No. 2111/Cal/74 filed September 23, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

An improved vacuum tank for separating entrapped air in a mixture of material such as fly ash slurry, in the act of conveying under vacuum the said mixture with the entrapped air, so that final disposal of fly ash slurry free from air can be achieved, the said vacuum tank, in combination, having for its essential parts—

(i) a tank body proper;

(ii) an inlet for entry of a mixture of fly ash, air and water, provided in the tank body proper, the said inlet extending inside the said tank body proper;

(iii) a diversion trough provided inside the tank body proper, below, the inlet, for the fly ash slurry mixture to be discharged or impinged on the said trough, so that air is separated from the said ash slurry;

(iv) a dampening plate mounted on the inside extended inlet, for dampening any vibration caused by splashing of slurry inside the tank body proper after impinging of the said slurry on the diversion trough; and

(v) an air outlet provided on top of the tank body proper, for the entrapped air separated from the ash slurry inside the said tank body proper to come out.

CLASS 32C. I.C.-C08b.

139831.

METHOD FOR PRODUCING MICROCRYSTAL CELLULOSE.

*Applicant* : DSO "PHARMACHIM", 16, ILIYANSKO CHAUSSEE, SOFIA, BULGARIA.

*Inventors* : ENG. CHEM. TOSHIKO SOKOLOV TOSHKOV, ENG. CHEM. NIKOLA RUSSEV GOSPODINOV AND ENG. CHEM. EVSTATI PENCHEV VIDJMSKI.

Application No. 79/Cal/75 filed January 13, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims No drawings.

An improved method for producing microcrystal cellulose by acid hydrolysis of a cellulose containing over 92% alpha-cellulose and 5-6% beta cellulose, having a solubility in 5% sodium hydroxide 2 to 4%, a viscosity 110 to 180 mP, and disaggregating the crystalline mass the improvement wherein the acid hydrolysis and chemical disaggregating step take place simultaneously by treating the cellulose as defined above with diluted sulphuric acid at a temperature of about 120°C to 160°C having a hydrolysis criteria of 0.003 to 0.300 and if desired the cellulose obtained is subjected to bleaching and cleaning.

CLASS 182A. I.C.-C13d 1/10, 1/12, 1/06. 139832.

A PROCESS AND APPARATUS FOR EXTRACTION OF SUGAR FROM SUGARCANE BAGASSA BY DIFFUSION.

*Applicant* : FIVES-CAIL BABCOCK, OF 7, RUE MONTALIVET, 75383 PARIS CEDEX 08, FRANCE, AND MAXIME RIVIERE, OF SUCRERIE DUE QUARTER FRANCAIS, 97441 SAINTE SUZANNE, LA REUNION, FRANCE.

*Inventor* : PHILIPPE PITHOIS.

Application No. 1101/Cal/75 filed June 3, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

25 Claims.

A process for the extraction of sugar from bagasse of sugarcane by diffusion comprising suspending the bagasse in a washing liquor such as herein described, degassing the bagasse in suspension, circulating the liquor loaded with bagasse in piping at increased velocity to induce a significant turbulence of the flow, separating the bagasse from the liquor and recommencing this operating cycle several times, one fraction of the liquor separated from the bagasse is recycled and used for suspending the bagasse in the cycle under consideration while the other fraction is transferred up-stream and used for suspending the bagasse in the preceding cycle, considering the sense of progression of the bagasse, in such a way as to establish a total counter-current circulation of liquor and bagasse.

CLASS 121. I.C.-C09k 1/28. 139833.

IMPROVEMENTS IN OR RELATING TO CALCIUM TUNGSTATE BLUE PHOSPHOR OF DIFFERENT SHADES.

*Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

*Inventors* : CHITTARI VENKATA SURYANARAYANA, (2) MOHAMMED IFTIKHAR AHMED SIDDIQI, (3) NAGAMONY RAJARAM, (4) RAMAYYAR LAKSHMINARAYAN, (5) RAMIAH KALYANASUNDARAM.

Application No. 1478/Cal/73 filed June 26, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim.

A process of making calcium tungstate blue phosphor of varying shades of bluish white, having a composition corres-

ponding to  $\text{CaWO}_4$ ;  $\text{Pb}$  (0.01) or  $\text{CaWO}_4$  :  $\text{Cd}$  (0.01), which comprises making a slurried mix of substances namely calcium carbonate ( $\text{CaCO}_3$ ), and tungstic acid ( $\text{H}_2\text{WO}_4$ ) in near stoichiometric ratio of 1 : 1 wherein the activator namely either  $\text{Pb}$  or  $\text{Cd}$  is in the optimum ratio of 0.01 mole subjecting to heating in a silica crucible to a high temperature in the range of 900 to 1100°C but preferably in the vicinity of 1000°C for a period of time depending upon the quantity of the material, and pulverising the same characterised in that the slurried mass is dried to whiteness at about 110°C further characterised in that the heated mass obtained after heating at about 1000°C is quenched in air to room temperature prior to pulverising.

CLASS 40F. I.C.-C04b 1/00, 3/00, 7/34. 139834.

**IMPROVEMENTS RELATING TO THE CALCINATION OF PULVEROUS MATERIAL AND A PLANT FOR EFFECTING THE SAME.**

Applicant : F. L. SMIDTH & CO. A/S, OF 77 VIGERS-LEV ALLE, COPENHAGEN-VALBY, DENMARK.

Inventor : MR. JORN TOUBORG.

Application No. 2532/Cal/73 filed November 16, 1973.

Convention date December 11, 72 (5701/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**31 Claims.**

A method of carrying out at least the partial calcination of a preheated pulverous raw material consisting of or containing lime, the method comprising mixing at least part of the preheated raw material intimately with the fuel necessary for carrying through at least partial calcination, the fuel being either itself a combustible gas or, when meeting the hot pulverous raw material being such that it gives off a combustible gas, in which the material is then suspended, the suspension of gas/material being then brought into contact with a flow of oxygen-containing gas in such a manner that the combustible gas burns and the individual particles of raw material are calcined substantially isothermally, the raw material particles thus treated being entrained by the total stream of exit gases from the combustion and calcination processes and finally being separated from the stream.

CLASS 187E.+E. I.C.-H04m 1/38. 139835.

**A DEVICE FOR INITIALLY DELAYING THE OPENING OF A PULSE CONTACT IN TELEPHONE DIALS.**

Applicant : INTERNATIONAL STANDARD ELECTRIC CORPORATION, OF 320 PARK AVENUE, NEW YORK 22, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventor : ANGELO MANZONI.

Application No. 2755/Cal/73 filed December 18, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**6 Claims.**

A device for initially delaying the opening of a pulse contact in telephone dials, including a fork formed by two parallel rings spacedly connected to one another by means of a transverse element connecting the end of two arms of the same rings, the respective hole of the said two rings surrounding the surface of a cam of an eccentric member rotating therein, characterized in that the transverse element connecting the said two ends of the said two arms of said fork is extending at one side thereof, thereby forming a movable pin integral with the said fork.

CLASS 108C.+C. I.C.-C21c 5/42.

139836.

**IMPROVEMENTS IN OR RELATING TO A TILTABLE CONVERTER.**

Applicant : VEREINIGTE OSTERREICHISCHE EISEN-UND STAHLWERKE-ALPINE MONTAN AKTIENGESELLSCHAFT OF VIENNA, WERKSGELANDE, 4010 LINZ, AUSTRIA.

Inventor : MANFRED EYSN.

Application No. 1405/Cal/74, filed June 25, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**4 Claims.**

Tilttable converter, which by means of supporting elements, accommodating supporting and tilting forces, is borne on a carrying ring, provided with two hollow supporting trunnions lying opposite each other, said carrying ring preferably having a box-shaped profile, wherein supporting disks assigned to the supporting trunnions engage in bearing eyes, secured to the converter casing and are axially movable by means of shifting devices penetrating the bores of the supporting trunnions, characterised in that each supporting disk is movable and capable of being connected by a quickly detachable connecting means as e.g. a bayonet catch or a coupling, with the pertaining shifting device, through the operation of which the supporting disk while maintaining its engagement in the bearing eye is engageable and disengageable with a cylindrical or inclined conical seating provided at the supporting trunnion.

CLASS 104B, 136E & 154A. I.C.-B29h 21/02, 139837. B41m 1/32.

**METHOD AND APPARATUS FOR PRINTING FOXING STRIP OF RUBBER OR LIKE MATERIALS.**

Applicant : BATA INDIA LIMITED, OF 30 SHAKESPEARE SARANI, CALCUTTA-700017, WEST BENGAL, INDIA.

Inventors : GIRIJA PROSANNA MUKHERJEE, (2) PULIN BEHARI NATH.

Application No. 1521/Cal/74 filed July 8, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**11 Claims.**

Method of printing a foxing strip of rubber or like materials such as strip of jute, cotton, PVC or their combination with one or more coloured prints at spaced intervals comprising the steps of supplying ink from oscillating ink pots on the two or more spaced printing rollers, said ink being supplied through a series of friction rollers for even distribution of ink, passing an extruded foxing strip just below the printing rollers so that the foxing strip is printed at spaced intervals.

CLASS 61A.+62A. I.C.-B65h 71/00. 139838. B05c 3/178.

**DEVICE FOR THE PNEUMATIC SQUEEZING OF A CONTINUOUSLY MOVING THREAD.**

Applicant : SOCIETE ANONYME DITE : O.P.I. TEXTILE, RUE DE SAINT QUENTIN, 02100 NEUVILLE SAINT AMAND, FRANCE.

Inventor : JACQUES HENRI ROSE.

Application No. 1525/Cal/74 filed July 8, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims.

A device for the pneumatic squeezing of a continuously moving thread comprising a squeezing chamber provided with an inlet orifice and an outlet orifice for the thread, these orifices being aligned in the axis of said chamber and a pipe of feeding the chamber with squeezing fluid, characterised in that the chamber is substantially con-shaped, the inlet orifice for the thread is placed at the end of the chamber having the smallest cross-section, the outlet orifice for the thread is placed at the end of the chamber having the largest cross-section, the squeezing fluid feed pipe opens out into the part of the chamber having the largest cross-section, tangentially to the inner wall of the chamber.

CLASS 132c. I.C.-B01f 7/00.

139839.

## IMPROVEMENTS IN OR RELATING TO AN APPARATUS FOR AGITATING SLURRY OR THE LIKE MATERIAL.

*Applicant* : DEVELOPMENT CONSULTANTS PRIVATE LIMITED, OF 24-B, PARK-STREET, P.O. PARK STREET, CALCUTTA-700016, STATE OF WEST BENGAL, INDIA.

Inventors : DWIJENDRA LAL NATH and SUBRATA DAS.

Application No. 98/Cal/75 filed January 17, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 14 Claims.

An apparatus of penetrating type jetting assembly for agitating slurry material (hereinbefore referred to also as material) at the suction end of a pump prior to the disposal of the said material to a dump or disposal area, characterised in that the said apparatus, in combination, has for its essential parts—

(i) a framework which is rigidly mounted over a sump containing the slurry material;

(ii) a movable frame resting on a thrust-pad or the like support fixed to the bottom of the framework, the said moveable frame being capable of rotating, that is to say, clockwise or anti-clockwise, about its own axis;

(iii) a guide which is fixed near the top of the framework for holding the moveable frame at its top;

(iv) a metal pipe through which pressure water is adapted to pass, is connected to a water connection, and is housed in the said moveable frame, the said metal pipe is adapted to slide up or down through the moveable frame, and the bottom of the metal pipe being provided with a nozzle holder having nozzles, for ejecting out water therethrough at high velocity; and

(v) an operating means for raising or lowering the metal pipe in the act of its sliding along the moveable frame and also rotating, that is to say, clockwise or anti-clockwise, the pipe along with the said moveable frame, as and when required the said operating means being mounted on the moveable frame through mounting brackets.

CLASS 32F-b. I.C. C07d 49/14.

139840.

## PROCESS FOR THE PREPARATION OF 1-[2-(6-NAPHTHYLOXY) ETHYL]-3-METHYL-PYRAZOLONE-(5).

*Applicant* : BAYER AKTIENGESELLSCHAFT, OF LIEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

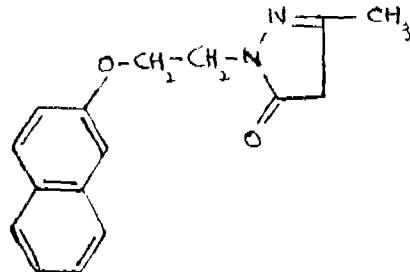
Inventors : EIKE MOLLER, (2) ILSE HEIDE FRIEDA MENG, (3) HARALD HORSTMANN, (4) FRIEDEL SEUTER, (5) EGBERT WEHINGER, and DR. KARL MENG.

Application No. 941/Cal/75 filed May 12, 1975.

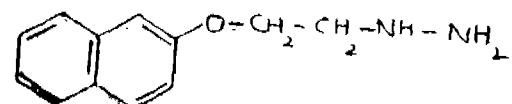
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims.

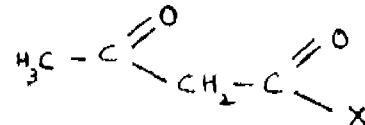
A process for the preparation of a compound of the formula I.



wherein 2-(β-naphthoxy)-ethylhydrazine of the formula II.



is reacted with an acetoacetic acid derivative of the formula III.



in which X represents an alkoxy, aralkoxy, amino or alkylamino radical, if appropriate in the presence of inert solvents and basic or acid catalysts.

CLASS 40B & 130F+I. I.C.-C01f 7/02, 7/34, 7/44, C01g, 31/00, 51/00, 53/04. 139841.

## PROCESS FOR EXTRACTING METAL VALUES FROM SPENT HYDRODESULFURIZATION CATALYSTS.

*Applicant* : UNION CARBIDE CORPORATION, AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors : JOSEPH SOLOMON FOX AND JOHN EDWARD LITZ.

Application No. 871/Cal/73 filed April 13, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims.

A process for extracting vanadium, molybdenum, alumina and at least one of the values selected from the group consisting of cobalt and nickel, from a spent hydrodesulfurization catalyst containing these values comprising the steps :

(a) calcining at about 725° for 1 to 4 hours a spent hydrodesulfurization catalyst containing vanadium, molybdenum, alumina and at least one of the values selected from the group consisting of nickel and cobalt, so as to substantially reduce any carbon contained therein to less than 0.10% :

(b) roasting said calcined spent catalyst with NaCl at a temperature of about 525°C to 925°C, a time period sufficient to substantially solubilize the vanadium and molybdenum values therein; said NaCl being present at least in a stoichiometric amount necessary for both the following reactions :



(c) water leaching said roasted calcined spent catalyst so as to substantially retain the vanadium and molybdenum values to the filtrate of the water leach liquid while retaining the alumina, nickel and cobalt, if present, in the residue;

(d) separating the filtrate from the residue by filtration;

(e) extracting by precipitation at least one of the values selected from the group consisting of vanadium and molybdenum from the filtrate;

(f) reacting said residue from the water-leach solution with an alkaline solution at a temperature of 200°C-300°C for a time period of at least one hour to substantially dissolve all the soluble salts of aluminum in said residue;

(g) filtering said alkaline-reacted solution so as to retain the aluminum values to the filtrate of said solution while maintaining at least one of the values selected from the group consisting of nickel and cobalt in the residue;

(h) reacting the aluminum-containing pregnant filtrate with an acid such as  $H_2SO_4$  at a pH of between 4 and about 7 to precipitate  $Al(OH)_3$  and

(i) separating said  $Al(OH)_3$  from the filtrate.

CLASS 32E. & 104J+P. I.C.-C08f 3/14, 29/06. 139842.

#### PROCESS FOR POLYMERIZING ISOBUTYLENE.

*Applicant* : SNAMPROGETTI S.P.A., OF 16 CORSO VENEZIA, MILAN, ITALY.

*Inventors* : ALDO PRIOLA, SEBASTIANO CESCA AND GIUSEPPE FERRARIS.

Application No. 963/Cal/73 filed April 24, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims. No drawings.

A process for the production of a homopolymer or copolymer of an olefin, which comprises polymerizing one or more olefins such as herein described in the presence of a catalytic system comprising :

(a) an organometallic aluminium compound having the general formula  $AlR^1R^2X$ , wherein X is a halogen atom;  $R^1$  is a hydrocarbon radical having from 1 to 10 carbon atoms, or hydrogen;  $R^2$  has the same meaning of  $R^1$  and can, in addition, be an alkoxy radical having from 1 to 10 carbon atoms; and

(b) an anhydride or an oxide of an element of Group 6a or 7a of the Periodic System.

CLASS 32E & 104P. I.C. C08f 3/02; 29/04. 139843.

#### PROCESS FOR PRODUCING A VULCANIZABLE COPOLYMER.

*Applicant* : SNAMPROGETTI S.P.A. OF CORSO VENEZIA 16, MILAN, ITALY.

*Inventor* : SERGIO ARRIGHETTI, (2) SEBASTIANO CESCA, (3) GIUSEPPE GHETTI, (4) MARIO BRUZZONE, (5) ERMANNO CINELLI.

Application No. 1347/Cal/73 filed June 8, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

A process for producing a vulcanizable copolymer which process comprises copolymerizing (a) ethylene (b) an alpha mono-olefin containing at least three carbon atoms, (c) at least one compound which can be cyclic or acyclic and which contains at least two carbon carbon double bonds but in which no pair of carbon-carbon double bonds is conjugated, and (d) at least one polycyclic polyene containing at least three

carbon-carbon double bonds in which one non-aromatic hydrocarbon ring contains an edomethylene bridge and is ortho-condensed with another non-aromatic hydrocarbon ring, and in which the two carbon atoms common to the two hydrocarbon rings belong to a conjugated diene system of which the double bonds are in said other hydrocarbon ring, the copolymerization being carried out in the presence of a catalytic system comprising (i) a compound of a transition metal selected from Groups IV to VIII of the Periodic Table, and (ii) a reducing aluminium compound.

CLASS 108B<sub>1</sub>, I.C.-C21b 13/14. 139844.

#### METHOD FOR THE BATCHWISE GASEOUS REDUCTION OF IRON OXIDE ORE TO SPONGE IRON.

*Applicant* : FIERRO ESPONJA S.A., OF AVENIDA LOS ANGELES AL ORIENTE, MONTERREY, N.L., REPUBLIC OF MEXICO.

*Inventors* : JUAN CELADA, PATRICK WILLIAM MACKAY, ENRIQUE RAMON MARTINEZ, ANTONIO VILLASEÑOR, RICARDO VIRAMONTES.

Application No. 1491/Cal/1973 filed June 26, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A method for the batchwise gaseous reduction of iron oxide ore to sponge iron in a reactor system having a plurality of reactors in which separate bodies of iron-bearing material are simultaneously treated, said system includes a reduction reactor and a cooling reactor, a reducing gas comprising carbon monoxide and hydrogen is passed successively through the reactors of said system, and said reducing gas is heated to a temperature of 900° to 1100°C. before being introduced into said reduction reactor, characterized by the fact that the reducing gas is initially passed through a fixed bed of said iron oxide in a reduction reactor of said reactor system to reduce said iron oxide at least partially to sponge iron, the effluent gas from the reduction reactor is cooled, a portion of the cooled effluent gas is reheated and re-circulated through said reduction reactor, and the remainder of the cooled effluent gas from said reduction reactor is passed through a body of sponge iron in a cooling reactor of said reactor system to cool said sponge iron.

CLASS 32F.b, I.C. C07d 55/02. 139845.

#### PROCESS FOR THE MANUFACTURE OF 2-ARYL-VIC-TRIAZOLES.

*Applicant* : BAYER AKTIENGESELLSCHAFT, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

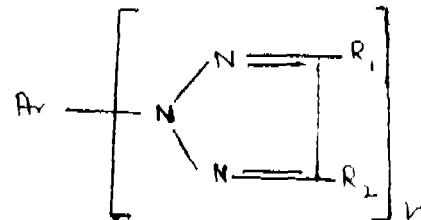
*Inventor* : UWE CLAUSSEN.

Application No. 2355/Cal/73 filed October 23, 1973.

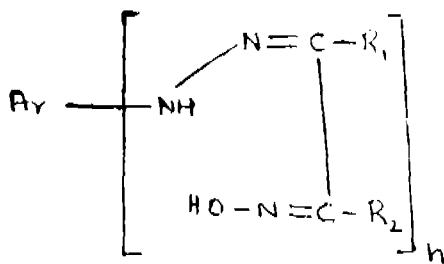
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

Process for the manufacture of 2-aryl-vic-triazoles of the formula shown in Fig. 11.



from  $\alpha$ -oximino-arylhydrazones of the formula shown in Fig. 1.



wherein

Ar represents an aromatic-carbocyclic or aromatic heterocyclic radicals,

R<sub>1</sub> denotes an aliphatic or aromatic radical,

R<sub>2</sub> denotes hydrogen or an aliphatic or aromatic radical and

o denotes the numbers 1 to 2.

using cyclising agents such as hereinbefore described characterized in that heavy metals or their ions and subsequently the cyclising agent in an amount of at least 1 mol, based on 1 mol of arylhydrazones, are added to the solution or the suspension of the  $\alpha$ -oximino-arylhydrazones, the reaction carried out at temperatures between 0 and 150°C.

CLASS 69K-**N**. I.C.-H01h 9/00, 9/30, 33/00. 139846.

#### AN ELECTRICAL SWITCH.

*Applicant* : SIEMENS ATKIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

*Inventor* : HELMUT KOHLER.

Application No. 499/Cal/74 filed March 7, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

An electrical switch comprising a first contact of substantially non-magnetic electrically conductive material, which first contact is arranged to be physically engaged with a second contact for conducting current through the switch when it is in use in a closed-circuit condition and which first contact is physically disengaged from the second contact when the switch is in an open circuit condition, the first contact being supported by a member arranged to conduct current to and/or from the first contact in the closed circuit condition of the switch and which member comprises magnetic conductive material so as electromagnetically to deflect onto the member from the first contact any electric arc set up between the first and second contacts in a circuit-breaking operation of the switch.

CLASS 29D & 206F. I.C.-G06f 3/04. 139847.

#### A MICRO PROGRAM DATA PROCESS OR HAVING PARALLEL INSTRUCTION FLOW STREAMS FOR PLURAL LEVELS OF SUB-INSTRUCTION SETS.

*Applicant* : BURROUGHS CORPORATION, AT BURROUGHS PLACE, DETROIT, MICHIGAN 48232, UNITED STATES OF AMERICA.

*Inventors* : ALISDAIR CULLEN FERGUSON, JOHN MCGREGOR AND ALASTAIR GEORGE MACPHERSON.

Application No. 746/Cal/74 filed April 3, 1974.

Convention date June 5, 1973/(26, 717/73) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

A data processing system having a micro instruction syllable memory portion and a processor, said processor comprising :

a plurality of general purpose registers;

a function unit coupled to said general purpose registers for data transfer there between;

a control memory coupled to said registers and said function unit and containing control instructions to control data transfers between said general purpose registers and said function unit;

means coupled to said micro instruction memory portion to fetch a sequence of micro instruction syllables; and

timing means coupled to said micro instruction syllable fetch means and to said control instruction memory to cause a sequence of micro instruction syllables to be fetched from said micro instruction memory and a corresponding sequence of control instructions to be fetched from said control instruction memory where the fetch of a particular control instruction for a preceding micro instruction syllable occurs concurrently with the fetch of the next micro instruction syllable in the sequence of micro instruction syllables.

CLASS 12A-**D**. I.C.-C21d 9/54, 9/52, 9/00. 139848.

#### METHOD OF AND APPARATUS FOR ANNEALING, HEAT TREATING, GALVANISING AND PICKLING.

*Applicant & Inventor* : INDRAJIT CHALIHA, OF 1 AND JADAV PRASAD CHALIHA MEMORIAL TRUST, OF P-21, GOLF CLUB ROAD, CALCUTTA, WEST BENGAL, INDIA.

Application No. 2206/Cal/74 filed October 1, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

An improved method for annealing, patenting (heat treatment), galvanising or pickling of wire which consists in forming the wire to be treated into a continuous spiral, inserting the same within a cage having a multiplicity of openings, which cage is then partly or wholly retained in the conventional apparatus, the continuous spiral of wire being introduced from one open end such as top of the said cage and the wire drawn out as a single wire of the spiral from the other end such as bottom of the said cage and taken out or pulled out of the apparatus by means of a capstan or like withdrawing device.

CLASS 117E. I.C.-E05g 1/00. 139849.

#### STENO-SAFE.

*Applicant* : TEHCEE GENERAL INDUSTRIES (PVT) LIMITED, 305, MADHWAPUR, ALLAHABAD, U.P. INDIA.

*Inventor* : TRILOK CHAND AGARAWALLA.

Application No. 874/Cal/75 filed April 30, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A compact unit for handling stationaries which comprises a cabinet having shelves of greater depth at the bottom than at the top, a plurality of shelves of gradually decreasing depths arranged inside the cabinet between the bottom wall and the top wall, the shelf of maximum depth being disposed near the bottom wall while the shelf of the minimum depth is arranged near the top wall, the side walls of the cabinet being of a greater measure at the bottom than at the top and when the walls of shelves are arranged, the front portion of the cabinet is open and is in an inclined position from bottom to the top, the cabinet having shorter ground resting feet at the underside of the back of the bottom wall and longer ground resting feet at the underside of the front of the bottom wall.

CLASS 101F, 116G, 143D<sub>2</sub>+D<sub>4</sub>, 195E & 204. 139850.

I.C.-B65b 1/06, 1/32, B65g 11/12, 47/20.

DEVICES FOR CONTROLLING THE FLOW OF FREE-FLOWING MATERIALS, INDEPENDENTLY OR IN COMBINATION WITH WEIGHING APPARATUSES.

*Applicant & Inventor* : GOPAL VISHWANATH APTE, 759/90-A, DECCAN GYMKHANA, POONA-411004, MAHARASHTRA, INDIA.

Application No. 152/Bom/73 filed April 30, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims.

A device for controlling the flow of free-flowing materials comprising a box having one passage serving as inlet at the top and two passages serving as outlets at the bottom with a sharp ridge between the said two outlets, a movable chute pivoted near its top arranged between the said inlet and the said outlets, and means for effecting angular movement of the said chute about its pivot in a vertical plane in such a manner that the movable chute continues to receive the material flowing in through the said inlet in any of its working positions; the lower end of the said chute being capable of being so positioned that it lies over any one of the said two outlets or at any location over the sharp ridge between the said two outlets such that the material flowing in through the said inlet is made to pass through any one of the said two outlets or through both of them simultaneously in any desired relative proportion, the variation of the relative proportion being carried out by appropriate positioning of the said movable chute by the said means, without stopping the flow of incoming material.

CLASS 101F, 116G, 143D<sub>2</sub>+D<sub>4</sub> & 195-E. 139851.

I.C.-B65g 47/74. 139851.

DEVICES FOR CONTROLLED DISTRIBUTION OF FREE-FLOWING MATERIALS.

*Applicant & Inventor* : GOPAL VISHWANATH APTE, 759/90-A, DECCAN GYMKHANA, POONA-411004, MAHARASHTRA STATE, INDIA.

Application No. 150/Bom/73 filed April 30, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims.

A device for distribution of free-flowing materials comprising a box having an inlet at the top and two outlets at the bottom, a movable triangular prism with its apex facing the said inlet, arranged between the said inlet and the said two outlets, and means for shifting the position of the said prism to any required location between the said two outlets so that the incoming material entering through the said inlet can be made to fall on the said prism and made to pass through any one of the said two outlets or simultaneously through both of them in variable relative proportion by appropriate positioning of the said movable prism.

CLASS 17D & 32C. I.C.-C07g 7/00. 139852.

PROCESS FOR PRODUCING A HIGH-PROTEIN PRODUCT FROM AN AQUEOUS SUSPENSION OF A HIGH-PROTEIN FLOUR.

*Applicant* : SANDOZ LTD., OF 35, LIGHTSTRASSE, 4002 BASEL, SWITZERLAND.

*Inventor* : GUS CARL MUSTAKAS.

Application No. 1755/Cal/74 filed August 5, 1974.

Convention date August 6, 1973/(37183/73) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

35 Claims. No drawings.

A process for producing a high-protein product from an aqueous suspension of a high-protein flour comprising,

(i) deactivating lipoxygenase enzyme by a method such as herein described present in the flour, to an extent of 95 to 100.

(ii) reducing carbohydrate to a content of less than 20% by weight of solids present in the high-protein product by a method such as herein described and

(iii) deactivating trypsin inhibitor and urease enzyme by a method such as herein described present in the flour, to an extent of substantially 100% under conditions such that the lysine content remains in excess of 90% of that of the original high-protein flour.

CLASS 15D & 172D. I.C.-D01h 7/04, F16C 19/00. 139853.

SPINNING OR PLYING SPINDLE.

*Applicant* : SPINDLE-, MOTOREN- UND MASCHINEN-FABRIK A.G., OF SEESTRASSE 102, CH-8610 USTER, SWITZERLAND.

*Inventor* : DIETER WIDMER.

Application No. 2097/Cal/74 filed September 20, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 13 Claims.

A spinning or plying spindle comprising a spindle shaft rotatably mounted in two bearings mounted in a bearing tube arranged in a bearing housing having at least one rigid portion whereby the bearing housing may be clamped, first resilient means allowing resilient tilting and hence wobble of one of the bearings and the bearing tube when the spindle is driven substantially adjacent the said one of the bearings, and second resilient means allowing lateral displacement of the said one of the bearings in a direction substantially at right angles to the longitudinal axis thereof and to the said at least one rigid portion of the bearing housing.

CLASS 66D<sub>3</sub>+D<sub>10</sub>, 112F & 113G+I.  
I.C.-F21v 7/00, H01K 1/00.

139854.

## FILAMENT SHIELDS.

*Applicant* : BRITISH SEALED BEAMS LIMITED, OF ROCKINGHAM ROAD, CORBY, NORTHANTS, ENGLAND.

*Inventor* : GEOFFREY ROLAND DRAPER.

Application No. 2373/Cal/74 filed October 31, 1974.

Convention date November 14, 1973/(52867/73) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims.

A filament shield for a parabolic reflector lamp unit, comprising a body having a recess therein, said recess having a base from which a filament to be shielded is spaced in use, said recess being bounded on two opposed edges by a pair of surfaces, an inner edge of each surface being linear and disposed at an angle to an axis along which the filament is destined to lie in use, said inner edge of each surface being spaced from said axis, and an outer edge of each surface being spaced from said axis, and an outer edge of each surface being inclined at a greater angle to said axis than the respective inner edge.

CLASS 29D & 147B+C+E. I.C.-G11b 15/18. 139855.

FAILSAFE SYSTEM FOR ENERGIZING THE CAPSTAN MOTOR OF A MAGNETIC TAPE TRANSPORT SYSTEM.

*Applicant* : BURROUGHS CORPORATION, AT BURROUGHS PLACE, DETROIT, MICHIGAN 48232, UNITED STATES OF AMERICA.

*Inventors* : THOMAS EDWIN JENNINGS.

Application No. 1491/Cal/74 filed July 3, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

## 10 Claims.

In a magnetic tape transport system, the combination comprising :

(a) at least one reel means with independent motor adapted for receiving or dispensing a roll of magnetic tape;

(b) voltage generating means coupled to said reel means for producing a voltage varying according to the velocity of rotation of said reel means;

(c) an independent capstan motor for controlling the velocity of the magnetic tape passing over a magnetic head by the associated capstan pulley/shaft wherein in the moment of inertia of the capstan motor is much lower than that of the reel motor; and

double pole double throw relay switching means inter-coupled between said voltage generating means and said capstan motor said switching means being adapted to automatically coupled said voltage (back e.m.f.) varying according to the velocity of rotation of said reel means to said capstan motor upon the loss of power being supplied to said capstan motor for maintaining the velocity of rotation of said capstan motor in accordance with the voltage varying according to the velocity of rotation of said reel means.

## PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undenoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)

91708 95902 98242 99799 100213 100303 100304 100702  
102049 102517 102883 103357 103564 103570 103690 103990  
104411 107745 108302 109844 110704 110872 110876 110882  
110883 110910 110956 110962 111434 111630 111933 111947  
111984 112092 112131 112141 112142 112160 112168 112180  
112186 112317 112369 112508 112518 112525 112573 112604  
112736 112840 113007 113018 113214 113371 113387 113431  
113741 113793 114057 114064 114065 114066 114089 114373  
114442 114524 114765 114940 114984 114985 114986 115260  
115393 115403 115411 115489 115533 115586 116293 116310  
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(2)

104670 113603 123112 123886 134217 137854 137855 137856  
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## PATENTS SEALED

75610 80391 83420 84052 96593 106468 110954 113061  
114235 117217 122009 125524 125579 128367 130536 130818  
133420 133506 135092 135221 137435 137628 137633 137634  
137774 137776 137777 137785 137791 137865 137871 137874  
137876 137882 137921 137954 137958 137861 137966 137968  
137974 137984 138007 138008 138015 138016 138020 138023  
138025 138026

## CLAIM UNDER SECTION-20(1) OF THE PATENTS ACT, 1970

(1)

The Claim made by Council of Scientific and Industrial Research under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 124360 in their name has been allowed.

(2)

The Claim made jointly by Krishna Chandra Chatterjee and Registrar, Jadavpur University under Section 20(1) of the Patents Act, 1970 to proceed with application for Patent No. 127947 in their names has been allowed.

## REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests :—

111466	..	..	M/s. Karl Warnecke.
126222	..	..	M/s. Gujarat Plastic & Metal Containers (Pvt.) Limited.
135705	..	..	M/s. Chinoim Gyogyszer ES Vegyeszeti Termek Gyara RT.

## PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patent is deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The date shown in the crescent brackets is the date of the patent.

No.	Title of the invention
127174 (20-6-70)	A process for the recovery of zinc and carbon electrode from waste dry cells.

## RENEWAL FEE PAID

76688	77512	77524	77532	77555	77566	77594	77799	77804
77860	78443	78734	82269	82487	83061	83080	83144	83170
83352	83376	83412	83461	83646	83810	83886	85599	88715
88760	88949	89434	89469	89682	89988	90448	91275	84524
94635	94710	94717	94831	94869	94919	95092	95094	95243
95798	95960	98155	98916	100411	100416	100428	100665	
100767	100955	100977	101088	101138	101139	101164	101705	
101960	101985	102415	104970	105428	105611	105895	106060	
106068	106118	106160	106173	106251	106294	106425	106600	
106761	106809	106889	106948	107007	107073	107869	108167	
108426	111070	111409	111493	111523	111524	111623	111637	
111663	111698	111740	111750	111762	111764	111769	111950	
112042	112167	112446	112845	115896	116009	116010	116681	
116690	116714	116750	116764	116820	116821	116855	117037	
117070	117312	117313	117332	117376	117762	118411	119131	
122107	122109	122194	122195	122197	122203	122241	122297	
122321	122331	122439	122643	122729	122745	122781	122815	
122816	122834	122893	122894	123181	123315	123382	124725	

125130 125131 125132 125288 127374 127375 127381 127395  
 127404 127405 127406 127410 127429 127454 127460 127517  
 127529 127545 127546 127547 127598 127627 127628 127635  
 127649 127662 127738 127760 127967 127968 128018 128187  
 128223 128281 128393 128397 129283 129284 129285 130017  
 131954 132011 132045 132046 132048 132067 132073 132086  
 132198 132214 132215 132216 132232 132235 132493 132498  
 132516 132532 132533 32571 132595 132659 132736 132805  
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 135452 135453 135456 135477 135503 135544 135584 135740  
 135987 136010 136022 136024 136075 136123 136147 136263  
 136271 136308 136309 136339 136361 136370 136380 136384  
 136387 136408 136459 136491 136494 136575 136591 136703  
 136729 136769 136779 136808 136888 137083 137196 137326  
 137459 137511 137522 137526 137537 137538 137565 137598  
 137603 137608 137630 137640 137655 137720 137749

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of design included in the entry.

Class 1. No. 143956. Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700016, West Bengal, India. "Casing for flash-light" February 16, 1976.

Class 1. No. 143980. David Sushil Pillai, of L-18, Rajouri Garden, New Delhi-110027, India, An Indian National "Emergency light". February 23, 1976.

Class 1. No. 143988. Indian Oxygen Limited, A Company incorporated under the Indian Companies Act, at Oxygen House, P-34, Taratala Road, Calcutta-700053, West Bengal, India. "Welding unit". February 24, 1976.

Class 1. No. 144124. N. V. Philips' Gloeilampenfabrieken, a Limited Liability Company organized and existing under the Laws of the Kingdom of the Netherlands, of Emma singel 29, Eindhoven, The Netherlands, "A shaving cutter". December 10, 1975. (U.K.).

Class 3. No. 143957. Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700016, West Bengal, India. "Casing for flash-light", February 16, 1976.

Class 3. No. 143981. Kashmir Imports of California, A partnership firm of 18196 Arnold Drive, Sonoma California, United States of America. "Picture frame". February 23, 1976.

Class 3. No. 144005. Jugal Kumar Paul, of 17A-41, Gurdwara Road, New Delhi-110005, India, an Indian National. "Anaesthesia breathing tube", February 27, 1976.

Class 3. No. 144125. N. V. Philips' Gloeilampenfabrieken, a Limited Liability Company organised and existing under the Laws of the Kingdom of the Netherlands, of Emmasingel 29, Eindhoven, the Netherlands. "A dry shaver". December 31, 1975. (U.K.).

Design No. 138764 Class 3.  
Design No. 143327 Class 4.  
Design No. 139155 Class 12.

Class 4. No. 143964. Sohinder Singh, of Indian Nationality, trading as Sardar Products at Ganesh Ram Nagar, Raipur, Madhya Pradesh, India. "Glass bottle". February 18, 1976.

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Design No. 129968 Class 3.  
Design No. 143327 Class 4.  
Design No. 129690 Class 8.

COPYRIGHT EXTENDED FOR A SECOND PERIOD OF FIVE YEARS

Design Nos. 138789, 140013, 140014, 140015,  
140398 Class 1.

S. VEDARAMAN,  
Controller-General of Patents, Designs  
and Trade Marks

